

CLAIMS

1. **USE OF *POTHOMORPHE UMBELLATA* EXTRACT** comprising the preparation of dermocosmetic and/or pharmaceutical compositions for treatment and/or prevention of photodamage to skin, cutaneous aging and skin cancer.

2. **USE OF *POTHOMORPHE UMBELLATA* EXTRACT** according to claim 1 in which the obtained extract comprises antioxidant activity.

3. **USE OF *POTHOMORPHE UMBELLATA* EXTRACT** according to any preceding claim in which the obtained extract comprises inhibitory activity of the lipid peroxidation.

4. **COMPOSITION ON BASIS OF *POTHOMORPHE UMBELLATA* EXTRACT FOR TREATMENT AND/OR PREVENTION OF PHOTODAMAGE TO , CUTANEOUS AGING AND/OR SKIN CANCER** according to any preceding claim comprising that the *Pothomorphe umbellata* plant extract to be active component.

5. **COMPOSITION** according to claim 4 comprising a formulation which contains a range from 0.005 to 20.0% of 4-nerolidylcatechol in the *Pothomorphe umbellata*.

6. **COMPOSITION** according to claim 4 or 5 comprising acceptable carriers.

7. **COMPOSITION** according to claim 4, 5 or 6 comprising a composition which is presented in all the forms for topical use.

8. **COMPOSITION** according to claim 7 comprising a composition which is presented in gel form.

9. **COMPOSITION** according to claim 8 comprising:

a) carboxymethylcellulose 0.01 - 10.0%

b) propyleneglycol 0.001 - 50.0%

c) methylparaben 0.001 - 3.0%

d) *Pothomorphe umbellata* standardized extract, so that the formulation comprises from 4-nerolidylcatechol 0.005 to 20.0%

e) distilled water q.s.p. 100.0%

5 10. **COMPOSITION** according to claim 8 comprising a composition which may be presented in the moisturizer form, lotion form, sun protective, labial protective and cream.

10 11. **METHOD OF APPLICATION OF THE DERMOCOSMETIC AND/OR PHARMACEUTICAL COMPOSITION ON BASIS OF *POTHOMORPHE UMBELLATA* EXTRACT FOR TREATMENT AND/OR PREVENTION OF PHOTODAMAGE TO SKIN, CUTANEOUS AGING AND/OR SKIN CANCER** comprising a dermocosmetic and pharmaceutical compositions to be topically administered in way to allow a satisfactory therapeutic response.

15 12. **METHOD** according to claim 11 comprising an antioxidant activity.

13. **METHOD** according to claim 11 comprising an inhibitory activity of the lipid peroxidation.